

במהלך השנים, מהיווסדה של הפקולטה הוגשו למעלה מ- 400 הצעות לפטנטים.

חברי הסגל שלנו הם מהחוקרים המובילים בתחומם ברמה בינלאומית שעובדים בשיתופי פעולה פורצי דרך עם תעשיות שונות ומוסדות אקדמיים רבים בארץ ובעולם. הרשימה שלהלן משלבת פטנטים מההיסטוריה ועד היום. ומסודרת בצורה כרונולוגית.

	No. of patents	Name	Title	Year
1.	AT109911B	Franz Ollendorff	Verfahren zur Ermittlung von Stoerungsstellen an elektrischen Leitungen. Procedure for the determination of disturbance places at conductions.	1928
2.	US1871822A	Friedlander Erich ; Ollendorff Franz	Alternating current protective relay	1929
3.	US3102951A	Katzenelson Jacob; Nathan Amos	Electronic interpolating time sharing function generators	1959
4.	US3120605A	Katzenelson Jacob; Nathan Amos	General purpose transistorized function generator	1959
5.	GB1108301A	Ben Uri Joseph ; Schieber David ; Severyn Erlicki Michel	Current stabilizing device	1965
6.	FR1420117A	Erlicki Michael Severyn ; Schieber David ; Uri Joseph Ben	Appareils electriques a courant constant electrical current constant	1965

7.	US3397361A	Ben Uri Joseph ; David Schieber ; Erlicki Michael S	Magnetic amplifier utilized as a static constant current regulator	1965
8.	DE1566044A1	Ollendorff Franz ; Vas Ran	Verfahren und vorrichtung zur durchfuehrung von physiokinetischen messungen method and device for carrying out physio kinetic measurements	1967
9.	DE2225242A1	Shamir Joseph	Moire-metrisches verfahren moire-metric method	1972
10.	DE2213997A1	Shamir Joseph; Winzer Gerhard	Verfahren zur optischen analyse einer oder mehrerer funktionen method for optical analysis of one or more features	1972
11.	DE2247709A1	Shamir Joseph	Interferometer hoher aufloesung high resolution interferometer	1972
12.	DE2251625A1	Shamir Joseph ; Winzer Gerhard	Verfahren zur optischen analyse einer oder mehrerer funktionen method for optical analysis of one or more features	1972
13.	DE2325052A1	Shamir Joseph	Verfahren zur bestimmung der optischen parameter duenner, mindestens teilweise lichtdurchlaessiger schichten	1973
14.	US4297679A	Arbel Arie ; Kurz Rainer	Circuit for continuous conversion of signals into digital magnitudes	1978
15.	US4361875A	Hertz David ; Kurshan Robert P ; Malah David	Multiple tone detector and locator	1980
16.	US4348735A	Hertz David ; Kurshan Robert P ; Malah David	Cyclotomic tone detector and locator	1980
17.	US4333156A	Kurshan Robert P ; Malah David	Broadband cyclotomic tone detector	1980
18.	US4464650A	Cohn Martin; Eastman Willard L; Lempel Abraham; Ziv Jacob	Apparatus and method for compressing data signals and restoring the compressed data signals	1981

19.	US4667331A	Alferness Rodney Clifford ; Korotky Steven Kenneth ; Eisenstein Gadi	Composite cavity laser utilizing an intra-cavity electrooptic waveguide device	1984
20.	US4765740 A	Baruch Fischer	Optical apparatus based on measurement of phase or frequency shift of an oscillating beam, particularly useful as an optical gyro	1985
21.	US4529273 A	Cronin Golomb Mark; Fischer Baruch; White Jeffrey O; Yariv Amnon	Passive phase conjugate mirror	1985
22.	US4674096A	Salzman Joseph ; Lang Robert J ; Yariv Amnon	Lateral coupled cavity semiconductor laser	1985
23.	US4695130A	Medina Antonio ; Zeevi Yehoshua Y	Camera flash attachment for three dimensional imaging systems	1985
24.	US4869579 A	Baruch Fischer, Shmuel Sternklar, Weiss Shimon	Optical apparatus and method for beam coupling useful in light beam steering and spatial light modulation	1986
25.	US4891582A	Zeldov Elia ; Weiser Kurt ; Ritter Dan ; Kuruto Baizaa ; Eria Zerudofu ; Dan Ritsutaa	Optical apparatus and method for photocarrier diffusion length measurement	1986
26.	US4827325A	Salzman Joseph ; Or Bach Zvi	Protective optical coating and method for use thereof	1986
27.	US4858014A	Hilsenrath Oliver ; Oliver Hilsenrath ; Zeevi Yehoshua	Random scan system	1986
28.	US4956794A	Hilsenrath Oliver ; Zeevi Yehoshua	Single camera three dimensional head position sensing system	1986
29.	US5000568 A	Trutna Jr William R; Nazarathy Moshe; Newton Steven	Spread spectrum optical time domain reflectometer	1987

		A; Foster Scott H; Uiriamu Richiyaado Torutona Ji		
30.	US4747111 A	Uiriamu Aaru Toratona Jiyunia; Nazarathy Moshe; Trutna William R Jr	Quasi-planar monolithic unidirectional ring laser	1987
31.	US4843350A	Jungerman Roger L; Dolfi David W; Nazarathy Moshe	Coded sequence travelling-wave optical modulator	1987
32.	US4843586A	Deibido Daburiyuu Dorufui; Buraian Eichi Korunaa; Kolner Brian H; Dolfi David W; Nazarathy Moshe	Distributed sampling of electrical and optical signals using coded switched electrode travelling wave modulators	1987
33.	US4812038A	Nazarathy Moshe; Newton Steven A; Foster Scott Haines	Adaptive selection of otdr test parameters and the fusion of data taken from successively shrinking measurement spans	1987
34.	US4942583 A	Richard William; Nazarathy Moshe; Zorabedian Paul; Trutna William Richard Jr; Ranganath Tirumala R;	Misalignment-tolerant, grating-tuned external-cavity laser	1988
35.	US4942473A	R Ginosar ; Zeevi Yehoshua Y ; Ran Jinosaa ; Oribaa Hirusenrasu ; Oliver Hilsenrath	Intelligent scan image sensor	1988
36.	US4991975A	Alferness Rodney C ; Eisenstein Gadi ; Korotky Steven K ; Tucker Rodney S	Division multiplexing and demultiplexing means lightwave communication system comprising optical time	1988
37.	US4955028A	Alferness Rodney C ; Eisenstein Gadi ; Koren Uziel ;	Wavelength tunable composite cavity laser	1988

		Tien Ping K ; Tucker Rodney S ; Whalen Matthew S		
38.	US4991172A	Cidon Israel ; Gopal Inder S	Design of a high speed packet switching node	1988
39.	US5991718A	Malah David	System and method for noise threshold adaptation for voice activity detection in nonstationary noise environments	1988
40.	US5453871A	Kolner Brian H; Nazarathy Moshe	Temporal imaging with a time lens	1989
41.	US5253309A	Berger Josef; Nazarathy Moshe;	Optical distribution of analog and digital signals using optical modulators with complementary outputs	1989
42.	US5157765A	Birk Yitshak ; Jieemusu Merubin Maku Kurooshi ; Itsuzaaku Baaku ; Mccrossin James M ; Maku Kurooshin	Method and apparatus for pipelined parallel rasterization	1989
43.	US5144442A	Zeevi Yehoshua Y ; Hilsenrath Oliver ; Ginosar Ran	Wide dynamic range camera	1989
44.	US5420637A	Ginossar Ran ; Hilsenrath Oliver ; Zeevi Yehoshua Y	Dynamic image representation system	1989
45.	WO9001844A1	Ginosar Ran ; Hilsenrath Oliver ; Zeevi Yehoshua Y ; Zinaty Ofra ; Kligler Daniel J	Wide dynamic range image sensor	1989
46.	WO9001750A1	Zeevi Yehoshua Y ; Hilsenrath Oliver ; Ginosar Ran	Intelligent scan image processor	1989
47.	US4939474A	Eisenstein Gadi ; Hansen Per B; Jiei Emu Uizenfuerudo ; Rodonii Suchiyuaato Tatsukaa	Semiconductor optical amplifier with shortened gain recovery time	1989

		; Tucker Rodney Stuart ; Wiesenfeld Jay M ;		
48.	US5016247A	Cidon Israel ; Gopal Inder Sarat	Multihop time assigned speech interpolation (TASI) system for telecommunication networks	1989
49.	US4926418A	Ofek Yoram ; Cidon Israel	Fairness algorithm for full-duplex buffer insertion ring	1989
50.	JP4127010A	Karasikov Nir ; Landesberg Yolanda ; Shamir Joseph	Inspection system of the ball of a bearing and its method of inspection	1989
51.	US5004309A	Caulfield H John ; Hester Charles F ; Kinser Jason M ; Shamir Joseph	Neural processor with holographic optical paths and nonlinear operating means	1989
52.	US5102222A	Nazarathy Moshe; Mick Doron; Kagan Yishai; Berger Josef	Light wave polarization determination using a hybrid system	1990
53.	US5161044A	Berger Josef; Kagan Yishai; Jiyosefu Baagaa; Nazarathy Moshe	Optical transmitters linearized by means of parametric feedback	1990
54.	US5202987A	Ran Ginosar ; Nimrod Bayer	High flow-rate synchronizer/scheduler apparatus and method For multiprocessors	1990
55.	US5031187A	Orenstein Meir ; Von Lehmen Ann C	Planar array of vertical-cavity, surface-emitting lasers	1990
56.	US4979828A	Cronin Golomb Mark ; Shamir Joseph	Phase conjugate interferometer for measuring thin film properties	1990
57.	US5216729 A	Nazarathy Moshe; Mick Doron; Kagan Yishai; Berger Josef	Active alignment system for laser to fiber coupling	1991
58.	US5146514A	Itsuaku Baaku ; Birk Yitzhak	Efficient single-hop directional multichannel system	1991

59.	US5247366A	Ginosar Ran ; Zinaty Ofra ; Sorek Noam ; Genossar Tamar ; Zeevi Yehoshua Y ; Kligler Daniel J	Color wide dynamic range camera	1991
60.	US5216670A	Ofek Yoram ; Segall Adrian	Message stripping protocol for a communication network	1991
61.	US5278923A	Nazarathy Moshe; Kagan Yishai; Simler Yaron	Cascaded optical modulation system with high linearity	1992
62.	US5278927A	Itsuatsuku Baaku ; Birk Yitzhak	Efficient single-hop interconnection network employing merged shared directional multichannels	1992
63.	US5367517A	Cidon Israel ; Gopal Inder S. Et Al	Method and system of requesting resources in a packet- switched network with minimal latency	1992
64.	US5309433A	CIDON ISRAEL Et Al	Methods and apparatus for routing packets in packet transmission networks	1992
65.	US5343473A	CIDON ISRAEL Et Al	Method of determining whether to use preempt/resume or alternate protocol for data transmission	1992
66.	US6255666B	Brunfeld Andrei ; Shamir Joseph ; Toker Gregory ; Singher Liviu ; Laver Ilan ; Pekel Ely	High speed optical inspection apparatus for a large transparent flat panel using gaussian distribution analysis and method therefor	1992
67.	US5515184A	Caulfield H John ; Huang Qiang ; Morozov Valentin ; Putilin Andrei ; Shamir Joseph	Waveguide hologram illuminators	1992
68.	US6252242B	Brunfeld Andrei ; Shamir Joseph ; Toker Gregory ;	High speed optical inspection apparatus using gaussian distribution analysis and method therefore	1992

		Singher Liviu ; Laver Ilan ; Pekel Ely		
69.	US6294793B	Brunfeld Andrei ; Pekel Ely ; Shamir Joseph ; Singher Liviu ; Toker Gregory ; Laver Ilan	High speed optical inspection apparatus for a transparent disk using gaussian distribution analysis and method therefor	1992
70.	US6262432B	Toker Gregory ; Shamir Joseph ; Pekel Ely ; Singher Liviu ; Laver Ilan ; Brunfeld Andrei	High speed surface inspection optical apparatus for a reflective disk using gaussian distribution analysis and method therefor	1992
71.	US5282072A	Verhoeven Hans; Nazarathy Moshe; Ley Anthony J	Shunt-expansive predistortion linearizers for optical analog transmitters	1993
72.	US5424680A	Kuo Chien Yu; Gall Charles H; Nazarathy Moshe	Predistorter for high frequency optical communications devices	1993
73.	US5510905A	Birk Yitzhak ; Itsutsuaaku Baaku	Video storage server using track-pairing	1993
74.	US5467123A	Stuart Wolf ; Ginosar Ran	Apparatus and method for enhancing color images	1993
75.	US5515509A	Rom Raphael	Method and apparatus for implementing self-organization in a wireless local area network	1993
76.	US6360264B	Rom Raphael	Method and apparatus for maintaining connectivity of nodes in a wireless local area network	1993
77.	EP0598671A2	BARRY KESNER ; CIDON ISRAEL ; DERBY JEFFREY H Et Al	Function distribution in a packet switched network	1993
78.	US5646951 A	Baruch Fischer; Moshe Horowitz; Ron Daisy;	Method and apparatus for linewidth narrowing and single mode operation in lasers by intra-cavity nonlinear wave mixing	1994

79.	US5608208A	Nemirovsky Yael	Single layer planar hgcdte photovoltaic infrared detector with heterostructure passivation and p-on-n homojunction	1994
80.	WO9418801A1	Avni Dov ; Neyshtadt Arkadi ; Zeevi Yehoshua Y ; Kligler Daniel J ; Sorek Noam ; Zinaty Ofra ; Genossar Tamar ; Ginosar Ran	Color wide dynamic range camera using a charge coupled device With mosaic filter	1994
81.	US5467352A	Cidon Israel ; Georgiadis Leonidas ; Guerin Roch A ; Shavitt Yuval Yitzchak ; Slater Andrew E	Method and apparatus for improved throughput in a multi-node communication system with a shared resource	1994
82.	US5446737A	Andoriyuu Emurin Surataa ; Cidon Israel ; Georgiadis Leonidas ; Guerin Roch A	Method and apparatus for dynamically allocating shared resource access quota	1994
83.	US5459725A	CIDON ISRAEL Et Al	Reliable multicasting over spanning trees in packet communications networks	1994
84.	IL110316A0	Boris Spektor ; Joseph Shamir	Wave segmentation and inversion interferometry	1994
85.	US5691829 A	Moshe Horowitz ; Baruch Fischer	Method for fixing optical information in crystals and for quasi-phase matching in frequency mixing	1995
86.	US5592612A	Birk Yitzhak	Method and apparatus for supplying data streams	1995
87.	US5828413A	Jayant Nuggehally S ; Porat Moshe	Method and apparatus for image processing using model-based localized quantization	1995
88.	US5684961A	Cidon Israel ; Hsiao Man Tung Tony ; Rom Raphael ; Jujjavarapu Phanindra ; Sidi Moshe ; Khamisy Asad	System for defining multicast message distribution paths having overlapping virtual connections in ATM networks and assigning identical labels to overlapping portions of the virtual channels	1995

89.	US5579480A	Rom Raphael ; Sidi Moshe ; Asado Kamishi ; Cidon Israel ; Fuanindora Yuuyabuarapu ; Hsiao Man Tung T	System and method for traversing ATM networks based on forward and reverse virtual connection labels	1995
90.	US5689422A	Heymann Michael ; Feuer Arie	Converter for cruise control system	1995
91.	US5781537A	Ramaswami Rajiv ; Segall Adrian ; Rajiv Ramaswami	Setting up, taking down and maintaining connections in a communications network	1995
92.	US5410271A	Arbel Arieh	Non-linear feedback network providing a linear transfer function	1995
93.	US6002206A	Harrison Nick; Tessler Nir; May Paul	Organic el devices and operation thereof	1996
94.	US5966381A	Buckley Clifford James ; Cidon Israel ; Khamisy Asad ; Rom Raphael Jona	Method and apparatus for explicit rate flow control in ATM networks	1996
95.	US6023871 A	Horowitz Moshe	Advertising attachment for in-store scanning plate	1997
96.	US6553504B	Katzenelson Jacob; Erez Doron Moshe	Clock synchronization of multiprocessor systems	1997
97.	US5996060A	Gabbay Freddy; Mendelson Avi	System and method for concurrent processing	1997
98.	US5812993A	Ginosar Ran ; Weinberg Nitzan	Digital hardware architecture for realizing neural network	1997
99.	US5931944A	Ginosar Ran ; Kol Rakefet ; Stevens Kenneth Scott ; Beerel Peter A ; Yun Kenneth	Branch instruction handling in a self-timed marking system	1997

		Yi ; Myers Christopher John ; Rotem Shai		
100.	US5948096A	Ginosar Ran ; Kol Rakefet ; Stevens Kenneth Scott ; Beerel Peter A ; Yun Kenneth Yi ; Myers Christopher John ; Rotem Shai	Apparatus and method for self-timed marking of variable length instructions having length-affecting prefix bytes	1997
101.	IL121014A0	Hod Finkelstein ; Ran Ginosar	Solid-state device for detecting charged particles	1997
102.	US5978899A	Beerel Peter A ; Ginosar Ran ; Kol Rakefet ; Myers Christopher John ; Rotem Shai ; Stevens Kenneth Scott ; Yun Kenneth Yi	Apparatus and method for parallel processing and self-timed serial Marking of variable length instructions	1997
103.	US5941982A	Beerel Peter A ; Ginosar Ran ; Kol Rakefet ; Stevens Kenneth Scott ; Myers Christopher John ; Rotem Shai ; Yun Kenneth Yi	Efficient self-timed marking of lengthy variable length instructions	1997
104.	US6163548A	Ben Eli David ; Shamai Shlomo ; Rainish Doron ; Burshtein David ; Kwon O Sang	Code synchronization unit and method	1997
105.	US6584075B	Amitt Gupta ; Tony Shao ; Rom Raphael	Efficient caching of routing information for unicast and multicast connections	1997
106.	US6704786B	Cidon Israel ; Gupta Amit ; Rom Raphael	Network and end-host efficiency for web communication	1997
107.	US6718387B	Gupta Amit ; Rom Raphael	Reallocating address spaces of a plurality of servers using a load balancing policy and a multicast channel	1997

108.	IL121688A1	Israel Bar David; Avner Elia	Apparatus and method for calculating symbol a posteriori probability and channel parameter values in time varying coded communication	1997
109.	US6521118 BA	David Starosvetsky Mark Kovler Joseph Yahalom Yael Nemirovsky	Semiconductor etching process and apparatus	1998
110.	US6350983B	Eran Socher ; Dan Seter ; Ehud Netzer ; Ofir Dagani ; Yael Nemirovsky ; Shmuel Kaldor ;	Micro-electro-opto-mechanical inertial sensor	1998
111.	US2002108930A	Brosilow Benjamin ; Cui Yan ; Iwakuma Tomoo ; Lung Ji Chang ; Nemirovsky Yael ; Stolyarova Sara	Apparatus for removing native oxide layers from silicon wafers	1998
112.	CZ20000932A	Aloni Meir ; Rosenthal Amir ; Livni Avinoam ; Elmaliah Nissim	Electro-optical displaying device elektro-optický zobrazovací přístroj	1998
113.	US6314553B	Ginosar Ran ; Rotem Shai ; Stevens Kenneth S	Circuit synthesis and verification using relative timing	1998
114.	US6208684B	Daniel Yellin ; Shamai Shitz Shlomo	Cyclic adaptive receivers for ds-cdma signals	1998
115.	US6252849B	Khamisky Asad ; Rom Raphael ; Sidi Moshe	Flow control using output port buffer allocation	1998

116.	US6269330B	Israel Cidon ; Moshe Sidi	Fault location and performance testing of communication networks	1998
117.	US6252849B	Khamisky Asad ; Khamisy Asad ; Rom Raphael ; Sidi Moshe ; Raphael Rom ; Moshe Sidi ; Asad Khamisy ; Asad Khamisky	Flow control using output port buffer allocation	1998
118.	US6804294B	Hartung John ; Malah David	Method and apparatus for video frame selection for improved coding quality at low bit-rates	1998
119.	US6389195 BA	Baruch Fischer; Havstad Steven A	Dynamic fiber loop-mirror filter based on pump-induced saturable gain or saturable absorber gratings	1999
120.	US6389047 BA	Baruch Fischer	Wavelength-selectable laser system using cavity resonance frequency, especially useful for fiber optic communication and wavelength division multiplexing	1999
121.	US6490727B	Nazarathy Moshe; Bonen Adi; Kepten Ilan; Piehler David	Distributed termination system for two-way hybrid networks	1999
122.	WO0003950A1	Ho Peter; Tessler Nir; Friend Richard Henry;	Optical devices dispositifs optiques	1999
123.	US6603139B	Frield R H; Siringhaus H; Tessler N;	Polymer devices	1999
124.	US6502139B	Mondri Ron ; Birk Yitzhak	System for optimizing video on demand transmission by partitioning video program into multiple segments, decreasing transmission rate for successive segments and repeatedly, simultaneously transmission	1999
125.	WO9910999A2	Birk Yitzhak ; Hendler Shoshan	Apparatus for wireless transfer of video from a computer to a television set	1999
126.	US2005083761A	Ginosar Ran	Dual-function computing system	1999

127.	US7098899B	Ginosar Ran	Dual form low power, instant on and high performance, non-instant on computing device	1999
128.	US2003214961A	Brett A Monello ; Ephraim Zehavi ; Ginosar Ran ; Ran Ginosar ; Ron Nevo ; Xudong Zhao	Multiple wireless communication protocol methods and apparatuses	1999
129.	US4787086A	Dentai Andrew G ; Eisenstein Gadi ; Marcatili Enrique A J ; Tucker Rodney S	High-power, fundamental transverse mode laser	1999
130.	US6453389B	Ferrandiz Joesp M ; Gupta Rajiv ; Merhav Neri ; Rokicki Tomas G ; Seroussi Gadiel ; Weinberger Marcelo	Optimizing computer performance by using data compression principles to minimize a loss function	1999
131.	US6473534B	Merhav Neri ; Bhaskaran Vasudev	Multiplier-free implementation of dct used in image and video processing and compression	1999
132.	US6465804B	Dan Ritter ; Nachum Shamir	High power bipolar transistor with emitter current density limiter	1999
133.	US2002155866A	Doron Rainish ; Perets Yona ; Shamai Shlomo	Method and device for managing power consumption of a receiver in stand-by mode	1999
134.	US6724733B	Cidon Israel ; Gupta Amit ; Rom Raphael ; Schuba Christoph	Method and apparatus for determining approximate network distances using reference locations	1999
135.	WO9960459A2	Gupta Amit ; Baehr Geoffrey A ; Rom Raphael ; Schuba Christoph	Method and apparatus for effective traffic localization through domain name system	1999

136.	US2004060355A	Socher Eran ; Seter Dan ; Degani Ofir ; Nemirovsky Yael ;	Method and apparatus for micro-machined sensors using enhanced modulated integrative differentail optical sensing	2000
137.	US2002114558A	Nemirovsky Yael	Integrated actuator for optical switch mirror array	2000
138.	US2002033768A	Neeman Teddy Tidal ; Birk Yitzhak ; Hendler Shoshan	System for shifting phase in antenna arrays	2000
139.	US2002021311A	Shechter Erez ; Bar Lev Nir ; Birk Yitzhak	Data entry using a reduced keyboard	2000
140.	US2002073389A	Elboim Yaron ; Kolodny Avinoam ; Ginosar Ran	Clock tuning circuit in chip design	2000
141.	US6721439B	Levy Avraham ; Merhav Neri	Method and system of watermarking digital data using scaled bin encoding and maximum likelihood decoding	2000
142.	US6958977B	Sidi Moshe ; Mitrani Roeë ; Keidar Uri ; Horn Lior ; Cidon Israel	Network packet tracking	2000
143.	US2004220332A	Ho Peter Kian Hoon; Kim Ji Seon; Tessler N; Ho P; Friend R H;	Method for doping a polymer	2001
144.	US2005002635A	Tessler Nir; Banin Uri	Near infra-red composite polymer-nanocrystal materials and electro-optical devices produced therefrom	2001
145.	WO02088435 A1 GB200110091 A0	Chayen Naomi Esther; Nemirovsky Yael	Nucleation-inducing material materiau inducteur de nucleation	2001
146.	US2003028360A	Bochobza Degani Ofir ; Elata David ; Nemirovsky Yael ; Socher Eran	Efficient method of extracting the pull-in parameters of an electrostatically activated mems device for the purpose of designing the device	2001
147.	US2004104736A	Djennati N E ; Cohen E	Apparatus and method for analysing fluids	2001

148.	US2002037023A	Meir Orenstein ; Moti Margalit	Multisegment integrated laser and a method for fabrication thereof	2001
149.	US2002181829A	Margalit Moti ; Orenstein Meir	Multilayer integrated optical device and a method of fabrication thereof	2001
150.	WO0248911A1	El Yaniv Ran ; Meir Ron	A system and method for multi-class multi-label hierarchical categorization	2001
151.	US2004056966A	Shree K Nayar ; Yoav Y Schechner	Method and apparatus for image mosaicing	2001
152.	US2002010798A	Ben Shaul Israel ; Oren Unger ; Itai Lev Ran ; Israel Cidon ; Israel Ben Shaul ; Ilan Kessler	Differentiated content and application delivery via internet	2001
153.	US2003093279A	Cox Richard Vandervoort ; Malah David	System for bandwidth extension of narrow-band speech	2001
154.	US2003093278A	David Malah	Method of bandwidth extension for narrow-band speech	2001
155.	WO0205207A2	Har Offer ; Shamir Joseph	Classifier for image processing	2001
156.	US2002141481A	Eldar Yonina C ; Oppenheim Alan V	Correlation shaping multi-signature receiver	2001
157.	US2002146066A	Yonina C Eldar ; Alan V Oppenheim	Correlation shaping matched filter receiver	2001
158.	US2003138987A	Beserman Robert ; Nemirovsky Yael ; Peyser Arye ; Shamir Joseph ; Stolyarova Sara ; Weil Raoul	Gamma ray detector	2002
159.	US2003206706A	Nemirovsky Yael ; Sidorov Elena ; Sidorov Victor	Method for the metallization of optical fibers	2002
160.	US2006122780A	I. Cohen, A. Vassiliou And N. Coult	Method and apparatus for seismic feature extraction	2002

161.	US2003219045A	Orenstein Meir ; Margalit Moti	Tunable laser using microring resonator	2002
162.	US5086430A	Orenstein Meir ; Kapon Elyahou	Phase-locked array of reflectivity-modulated surface-emitting lasers	2002
163.	US2002122137A	Yeo Boon Lock ; Villiam Adhua Bess ; Pence William Edward ; Jeaniru Jams P ; Chen Jeane ; Nimrod Moiseyev ; Meir Orenstein ; Ilya Vorobeichik ;	System for selecting, accessing, and viewing portions of an information stream(s) using a television companion device	2002
164.	US2005041113A	Schechner Yoav ; Nayar Shree	Method and apparatus for recording a sequence of images using a moving optical element	2002
165.	US2003081626A	Ivancovsky David ; Naor Joseph ; Rom Raphael	Method of providing qos and bandwidth allocation in a point to multi-point network	2002
166.	US2002133575A	Cidon Israel ; Horn Lior ; Yabo Oren	Troubleshooting remote internet users	2002
167.	IL150342A0	Joseph Shamir ; Nir Karasikov	A method for particle size and concentration measurement	2002
168.	US2004125831 AA	Baruch Fischer	Tunable laser with a fixed and stable wavelength grid especially useful for wdm in fiber optic communication systems	2003
169.	US2007032630A	Amihod Doron; Eichen Yoav; Schuster Gadi Tessler Nir; Zolotariov Vadim; Medvedev Viadislav	Pi-conjugated molecules	2003
170.	US2004184731A	Bochobza Degani Ofir ; Cuglietta Gino ; Dai Xiaoli ; Ding Haimin ; Ding Huimin ; Elata David ; Grobnc Dan ;	Bragg grating and method of producing a bragg grating using an ultrafast laser	2003

		Henderson George ; Lu Ping ; Mihailov Stephen J ; Nemirovsky Yael ; Ping Lu ; Smelser Christopher ; Socher Eran ; Walker Robert		
171.	US2006127007A	Margalit Moti ; Yasin Michael ; Orenstein Meir	Optical filtering device and method	2003
172.	US2004028337A	Moiseyev Nimrod ; Narevicius Edvardas ; Orenstein Meir ; Vorobeichik Ilya	Optical mode coupling devices and an optical switch matrix based thereon	2003
173.	US2005091350A	Sprintson Alexander ; Rastogi Rajeev ; Orda Ariel ; Breitbart Yuri J ; Bejerano Yigal	System and method for provisioning qos paths with restoration in a network	2003
174.	US2004177139A	Palchaudhuri Santashil ; Rom Raphael J ; Schuba Christoph L ; Speer Michael F	Method and apparatus for computing priorities between conflicting rules for network services	2003
175.	US2008037004A	Karasikov Nir ; Shamir Joseph	Method for particle size and concentration measurement	2003
176.	US2005230245A	Dinnar Uri ; Morgenshtein Arkadiy ; Nemirovsky Yael	Ion concentration sensor	2004
177.	WO06038213A2	Nemirovsky Yael ; Salem Leslie	Millimeter wave pixel and focal plane array imaging sensors thereof	2004
178.	US2005226214A	Keslassy Isaac ; Kodialam Muralidharan S ; Lakshman Tirunell V ; Stiliadis Dimitrios ; Lakshman Tirunell ; Kodialam Muralidharan	Scheduling with delayed graphs for communication networks	2004

179.	US2004255048A	Shaul Israel Ben ; Romano Ophir ; Panman Evgeny ; Shahar Glixman ; Israel Cidon ; Israel Ben Shaul ; Idan Zach ; Etai Lev Ran ; Danit Ben Kiki ; Daniel Kaminsky ; Vita Bortnikov	Virtual file-sharing network	2004
180.	US2005151084A	Michael Zibulevsky, Alexander Bronstein, Michael Bronstein, Y. Yehoshua Zeevi	Gamma camera for emission tomography and method for adaptive event position estimation	2004
181.	US2007128361A	Nemirovsky Yael ; Shai Avi ; Sinai Yehuda ; Stolyarova Sara ; Weinstein Moshe	Cd1-xznxs high performance tcr material for uncooled microbolometers used in infrared sensors and method of making same	2005
182.	US2009091377A	Ginosar Ran ; Perelman Yevgeny ; Zviagintsev Alex	Integrated system and method for multichannel neuronal recording with spike/lfp separation, integrated a/d conversion and threshold detection	2005
183.	US2007274604A	Schechner Yoav ; Karpel Nir	Enhanced underwater imaging	2005
184.	US2006050649A	Botton Dascal Shlomit ; Rachlevski Reich Benny ; Harel Yair ; Sidi Moshe ; Cidon Israel	Analysis of network performance	2005
185.	US2006221843A	Cidon Israel ; Kazatcker Arie ; Sidi Moshe	Duplex mismatch testing	2005
186.	US2007076605A	Cidon Israel ; Horn Lior ; Sidi Moshe ; Zangiri Benny	Quality of service testing of communications networks	2005

187.	US7730038B	Caronni Germano ; Rom Raphael J ; Scott Glenn Carter	Efficient resource balancing through indirection	2005
188.	US7590632B	Caronni Germano ; Rom Raphael J ; Scott Glenn C	Method for serializer maintenance and coalescing	2005
189.	US7428220B	Caronni Germano ; Rom Raphael J ; Scott Glenn Carter	Method and apparatus for data aggregation in a distributed system	2005
190.	US8108547B	Scott Glenn Carter ; Rom Raphael J ; Caronni Germano	Symbolic links in a distributed system	2005
191.	US7640339B	Caronni Germano ; Rom Raphael J ; Scott Glenn Carter	Method and apparatus for monitoring a node in a distributed system	2005
192.	US7613774B	Caronni Germano ; Rom Raphael J ; Scott Glenn Carter	Chaperones in a distributed system	2005
193.	US2007124415A	Cidon Israel ; Lev Ran Etai ; Ben Shaul Israel	Method and apparatus for reducing network traffic over low bandwidth links	2005
194.	US2006165179A	Feuer Arie ; Maor Nir	Acquisition of image sequences with enhanced resolution	2005
195.	US2006172515A	Barry Christinia T ; Gibson Brant C ; Greentree Andrew D ; Huntington Shane T ; Moore David F ; Olivero Paolo ; Praver Steven ; Rabeau James ; Reichart Patrick ; Rubanov Sergey ; Salzman Joseph ; Jamieson David N	A method of fabricating a structure in a material.	2005
196.	US8493943B	Zelicovici Judith ; Segall Ilana ; Segall Adrian	Geographical communications networking system and method	2005
197.	US2007120873A	Relan Sandeep K; Mishra Brajabandhu; Khare Rajendra	Selectively applying spotlight and other effects using video layering	2006

		K; Sigron Netta; Tselniker Igor; Nazarathy Moshe;		
198.	US2009253895A	Tessler Nir; Solomeshch Olga; Gonen Batia Blumer; Eichen Yoav; Blumer Gonen Batia	Printable materials	2006
199.	US2011001975A	Razansky Daniel ; Einziger Pinchas ; Adam Dan ; Nemirovsky Yael ; Shwartzman Lior	Cavity plasmon resonance biosensing device, method and system	2006
200.	US2008303704A	Ginosar Ran ; Perelman Yevgeny	Low-power inverted ladder digital-to-analog converter	2006
201.	US2009067681A	Tomer Michaeli	Face normalization for recognition and enrollment	2006
202.	US2007195707A	Zangiri Benny ; Sidi Moshe ; Cidon Israel ; Horn Lior	Sampling test of network performance	2006
203.	US2008025733A	Yadin Yoav; Nazarathy Moshe	Optical differential phase shift keying receivers with multi-symbol decision feedback-based electro-optic front-end processing	2007
204.	US2009008634A	Shenhar Roy; Globerman Oded; Margalit Moti; Tessler Nir	Transistor structures and methods of fabrication thereof	2007
205.	US2008168320A	Bohossian Vasken ; Schwartz Moshe ; Cassuto Yuval ; Bruck Jehoshua	Codes for limited magnitude asymmetric errors in flash memories	2007
206.	US2009135870A	Ginzburg Pavel ; Hayat Alex ; Orenstein Meir	Light source based on simultaneous two-photon emission	2007

207.	US2009314644A	Golan Saar ; Orenstein Meir ; Dinnar Uri ; Elata David	Method and device for electrokinetic manipulation	2007
208.	US2008077839A	Mannor Shie ; Gross Warren J ; Gross Warren	Stochastic decoding of ldpc codes	2007
209.	US2008025209A	Banner Ron ; Orda Ariel	Method and apparatus for protecting a communication network against failure	2007
210.	US2009295933A	Treibitz Tali ; Schechner Yoav	Imaging systems and methods for recovering object visibility	2007
211.	US2008137059A	Cogswell Carol J ; Greengard Adam D ; Piestun Rafael ; Schechner Yoav Y	Method and system for optical imaging and ranging	2007
212.	US2011043603A	Namer Einav ; Shwartz Sarit ; Schechner Yoav	System and method for dehazing	2007
213.	US2007132757A	Zelnik Manor Lihi; Basri Ronen E; Leifman George; Hassner Tal	Constrained model composition	2007
214.	US2011198343A	Alexander Bilchinsky ; Alexander Viltinsky ; Amit Rappel ; Atzmony Daniella ; Beberman Yoel ; Ben Shmuel Eran ; Denis Dikarov ; Einzinger Pinchas ; Eran Ben Shmuel ;Karnieli Ohard ; Michael Sigalov ; Sigalov Michael ;	Device and method for heating using rf energy	2008
215.	US2010284693A	Nazarathy Moshe; Agmon Amos	Enhanced smf passive optical networks using polarization beamforming	2008

216.	US2011315880A	Nemirovsky Yael ; Nemirovsky Yeal	Teramos-terahertz thermal sensor and focal plane array	2008
217.	US2011306857A	Daniel Razansky ; Ntziachristos Vasilis ; Razansky Daniel ; Vasilis Ntziachristos ; Rosenthal Amir	Quantitative multi-spectral opto-acoustic tomography (msot) of tissue biomarkers	2008
218.	US2008159435A	E. Cohen	Predistortion correction loop-back based on high linearity and low linearity modes”	2008
219.	US2009150847A	Friedman Eby G ; Morgenshtein Arkadiy ; Ginosar Ran ; Kolodny Avinoam	Logic circuit delay optimization	2008
220.	US2008276319A	Rittermann Brian ; Orenstein Meir ; Hayat Alex ; Lahav Alex	Real-time user awareness for a computer network	2008
221.	US2008276319A	Rittermann Brian ; Orenstein Meir ; Hayat Alex ; Lahav Alex	Real-time user awareness for a computer network	2008
222.	US2008256343A	Mannor Shie ; Gross Warren J	Convergence determination and scaling factor estimation based on sensed switching activity or measured power consumption	2008
223.	US2008294970A	Sharifi Tehrani Saeed ; Mannor Shie ; Gross Warren J	Method for implementing stochastic equality nodes	2008
224.	US2009100313A	Sharifi Tehrani Saeed ; Mannor Shie ; Gross Warren J	Methods and apparatuses of mathematical processing	2008
225.	US2010299144A	Schechner Yoav Yosef ; Barzelay Zohar	Method and apparatus for the use of cross modal association to isolate individual media sources	2008
226.	US2010165195A	Schechner Yoav Yosef ; Ratner Netanel	System and method for multiplexed measurements	2008

227.	US2011022754A	Cidon Israel ; Kolodny Avinoam ; Walter Zigmund Isask Har	Bus enhanced network on chip	2008
228.	US2009043818A	Odinaev Karina ; Raichelgauz Igal ; Zeevi Yehoshua Y	Signature generation for multimedia deep-content-classification by a large-scale matching system and method thereof	2008
229.	US2009068951A	Yonina Eldar ; Mishali Moshe	Spectrum-blind sampling and reconstruction of multi-band signals	2008
230.	US2011123192 AA	Horowitz Moshe; Shapira Yuval; Rosenthal Amir; Fleyer Michael	Optical under-sampling and reconstruction of sparse multiband signals	2009
231.	US2009263079 AA	Shapira Yuval; Rosenthal Amir; Horowitz Moshe	Optical routers and logical gates based on the propagation of bragg solitons in non-uniform one-dimensional photonic crystals	2009
232.	US2010097677 AA	Nevet Amir; Nazarathy Moshe	All-optical reconfigurable cascadable logic with linear preprocessing by lightwave interference and post-processing by nonlinear phase erasure	2009
233.	US2011156019A	Tessler Nir; Solomeshch Olga	Derivatized fullerene-based dopants for organic semiconductors	2009
234.	US2011149433 AA	Cassuto Yuval; Coker Jonathan Darrel; Flynn David Timothy	Information storage device with multiple-use fields in servo pattern	2009
235.	US2010322365A	Dobkin Rostislav Reuven ; Ginosar Ran	System and method for synchronizing multi-clock domains	2009
236.	US2011154060A	Bandic Zvonimir Z ; Cassuto Yuval ; Espeseth Adam	Implementing secure erase for solid state drives	2009

		Michael ; Guyot Cyril ; Sanvido Marco		
237.	US2010017676A	Gross Warren J ; Mannor Shie ; Sarkis Gabi	Decoding of linear codes with parity check matrix	2009
238.	US2010074381A	Gross Warren J ; Mannor Shie ; Sharifi Tehrani Saeed	Methods and systems for improving iterative signal processing	2009
239.	US2010045692A	Nemirovsky Shira ; Porat Moshe	Method and system for processing an image according to deterministic and stochastic fields	2009
240.	US2010275994A	Schachter Levi	Spectrum manipulation device and method	2009
241.	US2010276000A	Schachter Levi	Solar energy conversion device and method	2009
242.	US2010295850A	Katz Sagi ; Tal Ayellet	Apparatus and method for finding visible points in a cloud point	2009
243.	US2005174272A	Kilian Joseph ; Ashar Pranav ; Chakradhar Srimat T ; Chazelle Bernard ; Rubinfeld Ronitt ; Tal Ayellet ; Cadambi Shihari ; Ashar Pranav N ; Chakradhar Srimat	Content-based information retrieval architecture	2009
244.	US2012213531A	Nazarathy Moshe; Tselniker Igor	Ultra-high-speed photonic-enabled adc based on multi- phase interferometry	2010
245.	US2012097949A	Ben Sasson Ariel; Tessler Nir	Vertical organic field effect transistor and method of its manufacture	2010
246.	US2013142215A	Dolgin Madlena ; Corcos Dan ; Nemirovsky Yael ; Svetlitza Alexander ; Katz Shlomo	Sensing device having a thermal antenna and a method for sensing electromagnetic radiation	2010

247.	US6219011B	Aloni M ; Livni Avinoam ; Rosenthal Amir ; Elmaliah Nissim	Electro-optical display apparatus	2010
248.	US2013238959A	Birk Yitzhak ; Berman Amit	Mitigating inter-cell coupling effects in non volatile memory (nvm) cells	2010
249.	US2011187819A	Adler Avishai, Gilboa Guy, Katz Sagi	Depth camera compatibility	2010
250.	US2011187820A	Adler Avishai, Gilboa Guy, Katz Sagi	Depth camera compatibility	2010
251.	US2011234756A	Adler Avishai ; Gilboa Guy ; Katz Sagi ; Tardif John	De-aliasing depth images	2010
252.	US2012223354A	Nevet Amir ; Orenstein Meir ; Hayat Alex	Semiconductor two-photon device	2010
253.	US2012184827A	Cohen Shwartz Shulamit ; Orenstein Meir	Miniature disease optical spectroscopy diagnostic system	2010
254.	US2010301216A	Bahir Gad ; Vardi Alon ; Albo Asaf ; Fekete Dan	Method and system for detecting light	2010
255.	US2011133088A	Bahir Gad ; Albo Asaf ; Fekete Dan	Method and system for detecting light and designing a light detector	2010
256.	US2010267341A	Yona Perets ; Shlomo Shamai ; Itsik Bergel ; Daniel Yellin	Multi-point opportunistic beamforming with selective beam attenuation	2010
257.	US7685312 BA	Caronni Germano ; Rom Raphael J ; Scott Glenn Carter	Resource location by address space allocation	2010
258.	US2011025690A	Tal Ayellet ; Tzur Yochay	Photogrammetric texture mapping using casual images	2010
259.	US2010322521A	Zelnik Manor Lihi ; Tal Ayellet ; Goferman Stas	Automated collage formation from photographic images	2010

260.	US2012050079A	Eldar Yonina ; Goldman Naor ; Levy Efrat ; Sestok Charles ; Tal Noam	System, method, and circuitry for blind timing mismatch estimation of interleaved analog-to-digital converters	2010
261.	US2011294453A	Moshe Mishali ; Yonina Eldar	Efficient sampling and reconstruction of sparse multi-band signals	2010
262.	US2010259428A	Eldar Yonina ; Dvorkind Tsvi Gregory	Method and apparatus for reconstructing digitized distorted signals	2010
263.	US2013216228A	Agmon Amos; Marom Dan; Nazarathy Moshe	Optical network unit, optical access network and a method for exchanging information	2011
264.	US2013056353A	Brouk Igor ; Gal Lior ; Nemirovsky Yael	Ion sensitive detector	2011
265.	US2013099091A	Bar Lev Shefi Sharon ; Visokolov Gil ; Brouk Igor ; Nemirovsky Yael ; Fenigstein Amos ; Leitner Tomer ; Savuskan Vitali	Device having an avalanche photo diode and a method for sensing photons	2011
266.	US2014114187A	Ntziachristos Vasilis ; Razansky Daniel ; Rosenthal Amir ;	Ultrasound detector and detecting device for optoacoustic or thermoacoustic imaging	2011
267.	US2013044547A	Birk Yitzhak ; Berman Amit	Device, method and computer readable program for accessing memory cells using shortened read attempts	2011
268.	US2013142024A	Cassuto Yuval ; Guyot Cyril ; Souza Jorge Campello De ; Sanvido Marco ; Bandic Zvonimir ; Harayama Tomohiro ; De Souza Jorge Campello	Distributed field self-test for shingled magnetic recording drives	2011

269.	US2012300325A	Bandic Zvonimir Z ; Cassuto Yuval ; Coker Jonathan Darrel ; Guyot Cyril ; Hall David Robison ; Marco Sanvido	Shingle-written magnetic recording (smr) device with hybrid e-region	2011
270.	US8879319B	Shokrollahi M Amin ; Zhang Luoming ; Cassuto Yuval	Re-writing scheme for solid-state storage devices	2011
271.	US2012249738A	Guy Gilboa	Learning from high quality depth measurements	2011
272.	US2012287242A	Cohen David ; Felzenshtein Shlomo ; Gilboa Guy ; Larry Eli ; Yahav Giora	Adaptive high dynamic range camera	2011
273.	US2012160993A	Hayat Alex ; Nevet Amir ; Orenstein Meir	System and method for analyzing light by three-photon counting	2011
274.	US2012313832A	Lev Pazin; Leviatan Yehuda	Compact tapered slot antenna	2011
275.	US2012054576A	Xu Libai ; Mckinny Kevin S ; Huiszoon Cornelis ; Leduc Primeau Francois ; Mannor Shie ; Hemati Saied ; Naderi Ali ; Gross Warren	Method and system for decoding	2011
276.	US2011282828A	Precup Doina ; Mannor Shie ; Frank Jordan	Method of identification and devices thereof	2011
277.	US2012207018A	Zahavi Eitan ; Goldenberg Dror ; Rottenstreich Ori	Reducing power consumption in a fat-tree network	2011
278.	US2011177835A	Daniel Yellin ; Fattal Shahar ; Mayrench Ronen; Shlomo Shamai	Multi-user compression schemes	2011
279.	US2011252071A	Chandrashekhkar Shetty ; Cidon Asaf ; Cidon Israel ;	Cloud based operating and virtual file system	2011

		Gavish Lior ; Prabandham Gopal Madan ; Srou Barak ; Shetty Chandrashekhar ; Gopal Prabandham Madan		
280.	US2011266463A	Einziger Pinchas ; Dikarov Denis ; Biberman Yoel	Partitioned cavity	2011
281.	US2014159832A	Einziger Pinchas ; Ibragimov Zalman ; Rappel Amit ; Sigalov Michael ; Dikarov Denis ; Biberman Yoel ; Jakira Yuval	Choke for an oven	2011
282.	US2013248521A	Yaari Igal ; Torres Eyal ; Selinger Daniel ; Rappel Amit ; Libman Avner ; Gelbart Eliezer ; Einziger Pinchas ; Atzmony Daniella	Device and method for applying electromagnetic energy to a container	2011
283.	US2013038479A	Eldar Yonina ; Gedalyahu Kfir ; Tur Ronen	Multi-channel sampling of pulse streams at the rate of innovation	2011
284.	US2013187682A	Eldar Yonina ; Matusiak Ewa	Sub-nyquist sampling of short pulses	2011
285.	US2011225218A	Friedman Zvi ; Ronen Tur ; Tur Ronen ; Eldar Yonina	Low-rate sampling of pulse streams	2011
286.	US2014169501A	Nazarathy Moshe; Tolmachev Alex	Receiver, transmitter and a method for digital multiple sub-band processing	2012
287.	US2014050493A	Tselniker Igor; Nazarathy Moshe; Sigron Netta	Carrier phase estimation for optically coherent qpsk based on wiener-optimal and adaptive multi-symbol delay detection (msdd)	2012
288.	US2014151581A	Svetlitz Alexander ; Nemirovsky Yael ; Corcos Dan	Terahertz source	2012

		; Peled Gabriel ; Bar Lev Shefi Sharon		
289.	US2012015615A	E. Cohen	Device, system and method of selectively connecting between a transmit chain and an antenna	2012
290.	US2012076237A	E. Cohen	Close-loop power amplifier pre-distortion correction"	2012
291.	US2012076188A	E. Cohen,	Close-loop power transmission calibration	2012
292.	US2012077450A	E. Cohen,	Power calibration under voltage standing wave ratio change by frequency sweep	2012
293.	US2013208091A	Cohen David ; Gilboa Guy ; Yahav Giora	Ambient light alert for an image sensor	2012
294.	US2013117344A	Gross Warren ; Leroux Camille ; Raymond Alexandre ; Sarkis Gabi ; Tal Ido ; Vardy Alexander	Methods and systems for decoding polar codes	2012
295.	US2015260628A	Joseph Shamir	Detection scheme for particle size and concentration measurement	2012
296.	US2014318489A	Ben Haim Shlomo ; Berezin Maxim ; Einziger Pinchas ; Elyasaf Emanuel ; Muginstein Ginat Rachel ; Rogers Steven R ; Ron Amichai ; Silcoff Elliad	Em energy application for combustion engines	2012
297.	US2012250032A	Eldar Yonina C ; Goodman Joseph W ; Wilde Jeffrey P	Grating-enhanced optical imaging	2012
298.	US2012188368A	Cohen Oren ; Eldar Yonina ; Gazit Snir ; Segev Mordechai ; Shechtman Yoav ; Sidorenko Pavel ; Szameit Alexander	Method and system for super-resolution signal reconstruction	2012

299.	US2016300916A	Tessler Nir; Ben Sasson Ariel Jaques; Greenman Michael	Electronic device	2013
300.	US2014312209A	Nemirovsky Yael ; Savuskan Vitali ; Merhav Tomer ; Nemirovsky Amikam	Muzzle flash detection	2013
301.	US2014244912A	Berman Amit ; Birk Yitzhak	Utilization (rpu) for improved write capacity of solid state drives	2013
302.	US2014328123A	Birk Yitzhak ; Berman Amit	Minimal maximum-level programming	2013
303.	US2014353476A	Bachar Gil ; Shtampluk Oleg ; Buks Eyal ;	Fiber optical superconducting nanowire single photon detector	2013
304.	US2015282765A	Goshen Liran ; Guy Gilboa ; Lamash Yeziel	Fractional flow reserve (ffr) index	2013
305.	US2015112191A	Gilboa Guy ; Goshen Liran ; Lamash Yeziel	Fractional flow reserve (ffr) index with adaptive boundary condition parameters	2013
306.	US2015168126A	Michael Tomer; Nevet Amir ; Orenstein Meir	System and method for optical coherence tomography	2013
307.	US2015019620A	Gidron Elad ; Gordon Eyal ; Keidar Idit ; Tal Doron	High availability for communications based on remote procedure calls	2013
308.	US2014325192A	Kolodny Avinoam ; Kvatinsky Shahar ; Uri Weiser ; Weiser Uri	Memristor based multithreading	2013
309.	US2015168126A	Michaeli Tomer ; Nevet Amir ; Orenstein Meir	System and method for optical coherence tomography	2013
310.	US2013341581A	Yalon Eilam ; Ritter Dan	Device, a method for measuring temperature and a programmable insulator-semiconductor bipolar transistor	2013

311.	US9465619B	Revah Yoram ; Rottenstreich Ori ; Kadosh Aviran	Systems and methods for shared pipeline architectures having minimalized delay	2013
312.	US9672239B	Kadosh Aviran ; Rottenstreich Ori ; Revah Yoram ; Arad Carmi	Efficient content addressable memory (cam) architecture	2013
313.	US2014019820A	Tal Ido ; Vardy Alexander	Ecc polar coding and list decoding methods and codecs	2013
314.	US2015046156A	Talmon Ronen; Coifman Ronald R; Haddad Ali	System and method for anomaly detection and extraction	2013
315.	US2014225757A	Ordinaev Karina ; Raichelgauz Igal ; Zeevi Yehoshua Y	Multi-layer system for symbol-space based compression of patterns	2013
316.	US2014160883A	Amit Ron ; Chernyakova Tatiana ; Eldar Yonina	Frequency-domain beamforming	2013
317.	US2015285905A	Eldar Yonina ; Bar Ilan Omer	Sub-nyquist radar processing using doppler focusing	2013
318.	US2014254723 AA	Tselniker Igor; Nazarathy Moshe; Tolmachev Alex	Polar multi-symbol delay detector for carrier phase and frequency recovery for coherent transmission	2014
319.	US2014270769A	Nazarathy Moshe; Agmon Amos	Optical network unit, optical access network and a method for exchanging information	2014
320.	US2017205366A	Nemirovsky Yael	Gas sensing device and a method for sensing gas	2014
321.	US2015372162A	Nemirovsky Yael ; Shoham Yoav	Sensor array with self-aligned optical cavities	2014
322.	US2017211983A	Nemirovsky Yael	Sensing device having a bicmos transistor and a method for sensing electromagnetic radiation	2014

323.	US2014004810A	E. Cohen, A. Israel, O. Degani, N. Tsur,	Device, system and method of detecting transmitter power	2014
324.	US2014004801A	E. Cohen, L. Kravitz	Device, system and method of estimating a phase between radio-frequency chains	2014
325.	US2015214996A	E. Cohen,	Linearity enhancement for concurrent operation of bt and wifi	2014
326.	US2015214996A	Cohen Emanuel	Linearity enhancement for concurrent transmission systems and methods	2014
327.	US9438172B2	E. Cohen,	An apparatus and a method for providing a supply control signal for a supply unit	2014
328.	US2015280759A	Cohen Emanuel; Dinur Nati	Enhanced receive sensitivity for concurrent communications	2014
329.	US2016094186A	E. Cohen,	Digital multilevel envelope tracking for wide-bandwidth signals	2014
330.	US9344304B	E. Cohen	Communication device with power supply load variation noise reduction for envelope tracking and method therefor	2014
331.	US2014043614 AA	Bachar Gil ; Baskin Ilya ; Buks Eyal ; Dhayalan Yuvaraj ; Shtempluck Oleg	On-fiber optomechanical cavity based sensor	2014
332.	US2015043056A	Capua Amir ; Eisenstein Gadi	Method and system for generating and emitting terahertz radiation	2014
333.	US2016117539A	Shlomo Gotman ; Guy Gilboa	Image visualization	2014
334.	US2016179865A	Hillel Eshcar ; Gueta Guy ; Bortnikov Edward ; Keidar Idit	Method and system for concurrency control in log-structured merge data stores	2014
335.	US2014289179A	Soudry Daniel ; Di Castro Dotan ; Kolodny Avinoam ; Gal Asaf ; Kvatinsky Shahar	Analog multiplier using a memristive device and method for implementing hebbian learning rules using memristor array	2014

336.	WO16079740A1	Levron Yoash	Current sensor	2014
337.	US2014354886A	Michaeli Tomer ; Irani Michal	Device, system, and method of blind deblurring and blind super-resolution utilizing internal patch recurrence	2014
338.	US2014307999A	Orenstein Meir ; Kodanev Anna ; Yosub Shay	Charge-discharge electro-optical microring modulator	2014
339.	US2015023345A	Bahat Yuval ; Schechner Yoav ; Elad Michael	Example-based audio inpainting	2014
340.	US2014368700A	Segev Dana ; Schechner Yoav ; Elad Michael	Example-based cross-modal denoising	2014
341.	US2014143367A	Alvisi Lorenzo; Dahlin Michael D; Ganesh Lakshmi; Kapritsos Manos; Kirubanandam Jeevitha; Mahajan Prince; Ren Zuocheng; Silberstein Mark; Wang Yang	Robustness in a scalable block storage system	2014
342.	US2017077954A	Alexander Vardy ; Ido Tal ; Li Bin ; Shen Hui	Methods and apparatuses for constructing punctured polar code	2014
343.	US2016006530 AA	Nazarathy Moshe; Tselniker Igor; Bar Amitay; Shalom Aviv	System and method for ofdm symbol interleaving	2015
344.	US2017192408 AA	Fisher Jonathan; Nazarathy Moshe	Multi-degree-of-freedom stabilization of large-scale photonic integrated circuits	2015
345.	US2018097057A	Tessler Nir; Eichen Yoav; Gerchikov Yulia; Kumar Pramod	Field effect transistor device	2015

346.	US2018202884A	Nemirovsky Yael	Pressure level sensing device and a method for sensing pressure	2015
347.	US2019011415A	Nemirovsky Yael ; Melman Shmuel ; Nemirovsky Amikam	Gas sensing device having distributed gas sensing elements and a method for sensing gas	2015
348.	US2016285481A	E. Cohen,	"Phased array weighting for power efficiency improvement with high papr signals	2015
349.	WO17101898A1	Abdollahinia Alireza ; Banyoudeh Saddam ; Eisenstein Gadi ; Reithmaier Johann Peter ; Schnabel Florian ; Sichkovskiy Vitalii	Method for producing a quantum dot laser material and quantum dot laser	2015
350.	US2017176780A	Levy Uriel ; Goykhman Ilya ; Shappir Joseph ; Desiatov Boris	Semiconductor waveguide structure	2015
351.	US2017201658A	Orenstein Meir ; Rosenblatt Gilad	Near-field imaging devices	2015
352.	WO16181391A1	Bahir Gad ; Orenstein Meir	Image sensor and method of fabricating the same	2015
353.	US2016308882A	Shacham Ohad ; Paranjpye Sameer ; Keidar Idit ; Hillel Eshcar ; Bortnikov Edward	Management of transactions in a distributed transaction system	2015
354.	US2016371318A	Keidar Idit ; Gueta Guy ; Hillel Eshcar ; Arbel Maya	Automatic lock removal method for scalable synchronization in dynamic data structures	2015
355.	US2015256178A	Belousov Dmitry ; Kvatinsky Shahar ; Liman Slavik ; Wald Nimrod ; Satat Guy	Pure memristive logic gate	2015

356.	US2017019108A	Hanein Yifat ; Kolodny Avinoam ; Kvatinsky Shahar	Memristive akers logic array	2015
357.	US2017011797A	Kolodny Avinoam ; Patel Ravi ; Kvatinsky Shahar ; Friedman Eby G	Multistate register having a flip flop and multiple memristive devices	2015
358.	IL238645A0	Levron Yoash ; Nazarrhy Moshe ; Tal Nikolay ; Tolmachev Alex	Near-field transmission and remote-sensing	2015
359.	US2016019074A	Nahir Amir ; Raz Dan ; Orda Ariel	Distributed cloud computing elasticity	2015
360.	US9900903B	Rottenstreich Ori	Weighted periodic scheduling of a shared resource	2015
361.	US2016234077A	Goldenberg Dror ; Rottenstreich Ori	Time-efficient network function virtualization architecture	2015
362.	US2016127642A	Veikherman Dmitri ; Schechner Yoav Y ; Aides Amit	Wide-scale terrestrial light-field imaging of the sky	2015
363.	WO16172937A1	Vardy Alexander ; Tal Ido ; Shen Hui ; Li Bin	Method and device for transmitting data by utilizing multiple polar code	2015
364.	WO15136534A1	Rabinovich Adi ; Feuer Arie	Strong echoes in ultrasound images	2015
365.	US2015215385A	Raichelgauz Igal ; Odinaev Karina ; Zeevi Yehoshua Y	System and method for overlaying content items over multimedia content elements respective of user parameters	2015
366.	US2016063739A	Eldar Yonina ; Ben Bashat Dafna ; Weizman Lior	Exploiting similarity in adjacent slices for compressed sensing mri	2015
367.	US9735886 BB	Nazarathy Moshe; Agmon Amos; Tolmachev Alex	Self-coherent robust spectrally efficient optical transmission systems	2016

368.	WO17037693A1	Tessler Nir	Heterojunction photovoltaic device dispositif photovoltaique a heterojonction	2016
369.	WO17141237A1	Solomeshch Olga; Tessler Nir	Matrices incorporating nanocrystals and uses thereof	2016
370.	WO17145170A1	Nemirovsky Yael	Cmos spad array, a method and device for monitoring a living being using the cmos spad array	2016
371.	WO17203507A8	Nemirovsky Amikam ; Nemirovsky Yael	A gas sensing device and a method for sensing gas dispositif de detection de gaz et procede de detection de gaz	2016
372.	US2010126359A	Bartal Guy	Multipurpose apparatus for juice extracting and objects crushing	2016
373.	US2019227293A	Bartal Guy ; Blau Yacob Yochai ; Gjonaj Bergin ; Shterman Doron	Multi moire structured illumination microscopy with high index materials	2016
374.	US2016328509A	Mendelson Abraham ; Azriel Leonid ; Ginosar Ran	Exploiting the scan test interface for reverse engineering of a vlsi device	2016
375.	US2016224465A	Yavits Leonid ; Morad Amir ; Kvatinsky Shahar ; Ginosar Ran	Hybrid processor	2016
376.	US2018183561A	Oster Sasha N ; Kamgaing Telesphor ; Dogiamis Georgios C ; Cohen Emanuel	Waveguide communication with increased link data rate	2016
377.	US2018292523A	Hamburger Lilach ; Hamburger Oded ; Orenstein Avital ; Orenstein Meir	Remote monitoring system of human activity	2016
378.	US2016313477A	Orenstein Meir ; Spektor Grisha	Plasmonic lens	2016

379.	US2017064807A	Ilic Ognjen ; Lahini Yoav ; Kaminer Ido ; Soljacic Marin	Systems and methods for particle guiding	2016
380.	US2016227639A	Ilic Ognjen ; Joannopoulos John ; Kaminer Ido ; Shen Yichen ; Soljacic Marin ; Wong Liang Jie	Apparatus and methods for generating electromagnetic radiation	2016
381.	US2018294136A	Mutzafer Maor ; Kaminer Ido ; Segev Mordechai ; Harari Gal	System and method for use in electron microscopy	2016
382.	US2017167977A	Soljacic Marin ; Joannopoulos John ; Zhen Bo ; Rivera Nicholas ; Kaminer Ido	Apparatus and methods for spectroscopy and broadband light emission using two-dimensional plasmon fields	2016
383.	US2018121487A	Bortnikov Edward ; Gottesman Yonatan ; Keidar Idit ; Shacham Ohad	Method and system for committing transactions in a semi- distributed manner	2016
384.	US2017220617A	Bortnikov Edward ; Keidar Idit ; Shacham Ohad	Scalable conflict detection in transaction management	2016
385.	US2018121533A	Zahavy Tom Ben Zion ; Magnani Alessandro ; Krishnan Abhinandan ; Mannor Shie	Systems, method, and non-transitory computer-readable storage media for multi-modal product classification	2016
386.	US2018101885A	Mannor Shie ; Abhishek Vineet	Combined bootstrap distribution and mixture sequential probability ratio test applications to online ecommerce websites	2016
387.	US2018004819A	Kabizon Avi ; Mor Noam ; Offer Guy ; Ron Meir ; Shuvali Haim	Effect of operations on application requests	2016

388.	US2018011855A	Nitsan Amichai ; Ron Meir ; Shuvali Haim	Calculating user experience scores	2016
389.	US2017033936A	Cidon Israel ; Cidon Asaf ; Gavish Lior	Robust restoration of passphrases from partial information	2016
390.	US2017169305A	Elharrar Dan ; Rossi Marco ; Zeevi Yehoshua Y	Identification of key points in multimedia data elements	2016
391.	US2016315631A	Eldar Yonina C ; Kipnis Alon ; Goldsmith Andrea	Analog-to-digital compression	2016
392.	US2017315221A	David Cohen ; Eldar Yonina C	Target recovery in multiple input multiple output (mimo) radar system	2016
393.	WO16174660A1	Segev Mordechai ; Cohen Oren ; Shechtman Yoav ; Sidorenko Pavel ; Eldar Yonina	Intensity waveform reconstruction from intensity autocorrelation	2016
394.	US2019280774A	Nazarathy Moshe; Agmon Amos; Tolmachev Alexander	Transparent linear optical transmission of passband and baseband electrical signals	2017
395.	US2019207053A	Nemirovsky Amikam ; Nemirovsky Yael	Multi layered thermal sensor	2017
396.	US2018373646A	Birk Yitzhak ; Shwartz Ofir	Cache unit useful for secure execution	2017
397.	US2018166137A	Kvatinsky Shahar ; Ramadan Misbah ; Ginosar Ran	Programming for electronic memories	2017
398.	US2017295100A	Keslassy Isaac ; Katta Naga ; Hira Mukesh ; Ghag Aditi	Virtual tunnel endpoints for congestion-aware load balancing	2017

399.	US2018367149A	Belousov Dmitry ; Kvatinsky Shahar ; Liman Slavik ; Satat Guy ; Wald Nimrod	Pure memristive logic gate	2017
400.	US2017345497A	Kvatinsky Shahar ; Amrani Elad ; Drori Avishai	Logic design with unipolar memristors	2017
401.	US2018166137A	Kvatinsky Shahar ; Ramadan Misbah ; Ginosar Ran	Programming for electronic memories	2017
402.	US2018211303A	Mannor Shie ; Mankowitz Jaymin Daniel ; Chatwin Richard Edward ; Abhishek Vineet	Systems and methods for promoting products in product search results using transfer learning with active sampling	2017
403.	US2017286830A	El Yaniv Ran ; Hubara Itay ; Soudry Daniel	Quantized neural network training and inference	2017
404.	US2019331794A	Chernyakova Tanya ; Eldar Yonina C ; Lahav Almog ; Ben Shalom Yuval	Beamforming with coded signals in frequency domain	2017
405.	US2020051634A	Ginosar Ran ; Weiser Uri ; Yavits Leonid	Resistive address decoder and virtually addressed memory	2018
406.	WO18167787A1	Treibitz Tali ; Gilboa Guy ; Spier Ori	Target-less calibration of turbid media	2018
407.	WO19180704A1	Orenstein Meir ; Rosenblatt Gilad ; Simkhovich Boris	System and method for monitoring status of target	2018
408.	US2018287329A	Berggren Karl Kimon ; Dubcek Tena ; Joannopoulos John D ; Kaminer Ido E ; Keathley Phillip Donald ; Kooi Steven E ; Massuda Aviram ; Rivera	Apparatus and methods for generating and enhancing smith-purcell radiation	2018

		Nicholas H ; Roques Carmes Charles ; Soljacic Marin ; Yang Yi ;		
409.	US2019347211A	Basin Dmitry ; Bortnikov Edward ; Braginsky Anastasia ; Hillel Eshcar ; Keidar Idit ; Meir Hagar ; Sheffi Gali	System and method for managing memory for large keys and values	2018
410.	US2019294691A	Basin Dmitry ; Bortnikov Edward ; Carmel David ; Keidar Idit ; Sheffi Gali	System and method for top-k searching using parallel processing	2018
411.	WO19097513A1	Danial Loai ; Kvatinsky Shahar	Analog to digital converter using memristors in a neural network	2018
412.	WO19012533A1	Danial Loai ; Kvatinsky Shahar	Reconfigurable dac implemented by memristor based neural network	2018
413.	US2018316493A	Azriel Leonid ; Kvatinsky Shahar	Memristive security hash function	2018
414.	US2020177789A	Kutulakos Kiriakos Neoklis ; Levron Yoash ; Schechner Yoav ; Sheinin Mark	Computational imaging of the electric grid	2018
415.	US2019238363A	Boutros Sami ; Cidon Israel ; Dubey Ankur ; Parsa Mike ; Venugopal Prashanth	Specifying and utilizing paths through a network	2018
416.	US2019103990A	Zohar Eyal ; Venugopal Prashanth ; Markuze Alex ; Dar Chen ; Cidon Israel ; Bergman Aran	Creating virtual networks spanning multiple public clouds	2018

417.	WO19008581A1	Raichelgauz Igal ; Odinaev Karina ; Zeevi Yehoshua Y	Driving policies determination	2018
418.	WO19012527A1	Raichelgauz Igal ; Odinaev Karina ; Zeevi Yehoshua	Deep learning networks orchestration organisation de reseaux d'apprentissage en profondeur	2018
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421.	US2019365355A	Eldar Yonina ; Bar Zion Avinoam ; Solomon Oren	Sparsity-based ultrasound super-resolution imaging	2018
422.	WO19229758A1	Liad Pollak Zuckerman ; Michal Irani ; Lior Weizman ; Yonina C Eldar ; Dafna Ben Bashat ; Moran Arzi ; Pollak Zuckerman Liad ; Irani Michal ; Weizman Lior	Local transform-based data fusion for high resolution dynamic mri	2018
423.	WO20033216A2	Kol Tal Shalom ; Leshkowitz Maya ; Noam Oded ; Rottenstreich Ori ; Wertheim Oded	Scaling and accelerating decentralized execution of transactions	2019
424.	WO20005328A2	Noam Oded ; Wertheim Oded ; Kol Tal Shalom ; Rottenstreich Ori	Decentralized application platform for private key management	2019
425.	US2020042874A	Chow Yinlam ; Rohanimanesh Khashayar ; Tamar Aviv	Computerized imitation learning from visual data with multiple intentions	2019

426.	US2020167672A	Zeevi Yehoshua Y ; Raichelgauz Igal ; Odinaev Karina	Detection of road elements	2019
427.	WO19202593A1	Eldar Yonina C ; Cohen Regev	Sparse convolutional beamforming for ultrasound imaging formation de faisceau convolutif clairseme pour imagerie ultrasonore	2019
428.	WO19142085A1	Chernyakova Tatiana ; Eldar Yonina	Ultrasound imaging using iterative maximum a-posteriori beamforming	2019